

Name : _____

Constant of Variation - Equation

L1S5

1) $\frac{3}{c} = 8d$. Find the constant of variation if,

a) c varies inversely with d . _____

b) d varies inversely with c . _____

2) $12m = n$. Find the constant of variation if,

a) n varies directly with m . _____

b) m varies directly with n . _____

3) $-p + \frac{7}{q} = 0$. Find the constant of variation if,

a) p varies inversely with q . _____

b) q varies inversely with p . _____

4) $18u - 8v = 0$. Find the constant of variation if,

a) u varies directly with v . _____

b) v varies directly with u . _____

5) $\frac{3x}{y} - 7 = -4$. Find the constant of variation if,

a) x varies directly with y . _____

b) y varies directly with x . _____

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Constant of Variation - Equation

L1S5

1) $\frac{3}{c} = 8d$. Find the constant of variation if,

a) c varies inversely with d.

$$k = \frac{3}{8}$$

b) d varies inversely with c.

$$k = \frac{3}{8}$$

2) $12m = n$. Find the constant of variation if,

a) n varies directly with m.

$$k = 12$$

b) m varies directly with n.

$$k = \frac{1}{12}$$

3) $-p + \frac{7}{q} = 0$. Find the constant of variation if,

a) p varies inversely with q.

$$k = 7$$

b) q varies inversely with p.

$$k = 7$$

4) $18u - 8v = 0$. Find the constant of variation if,

a) u varies directly with v.

$$k = \frac{4}{9}$$

b) v varies directly with u.

$$k = \frac{9}{4}$$

5) $\frac{3x}{y} - 7 = -4$. Find the constant of variation if,

a) x varies directly with y.

$$k = 1$$

b) y varies directly with x.

$$k = 1$$

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